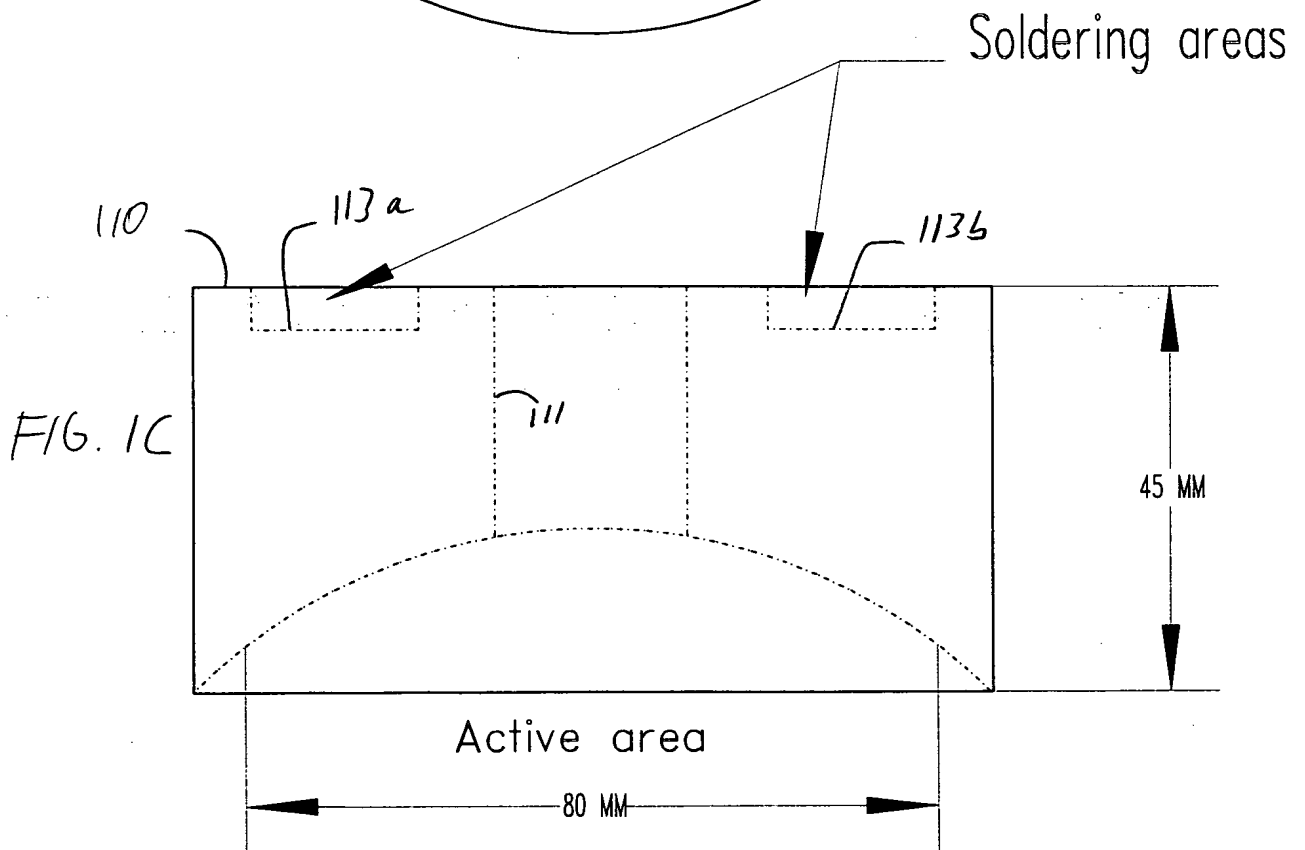
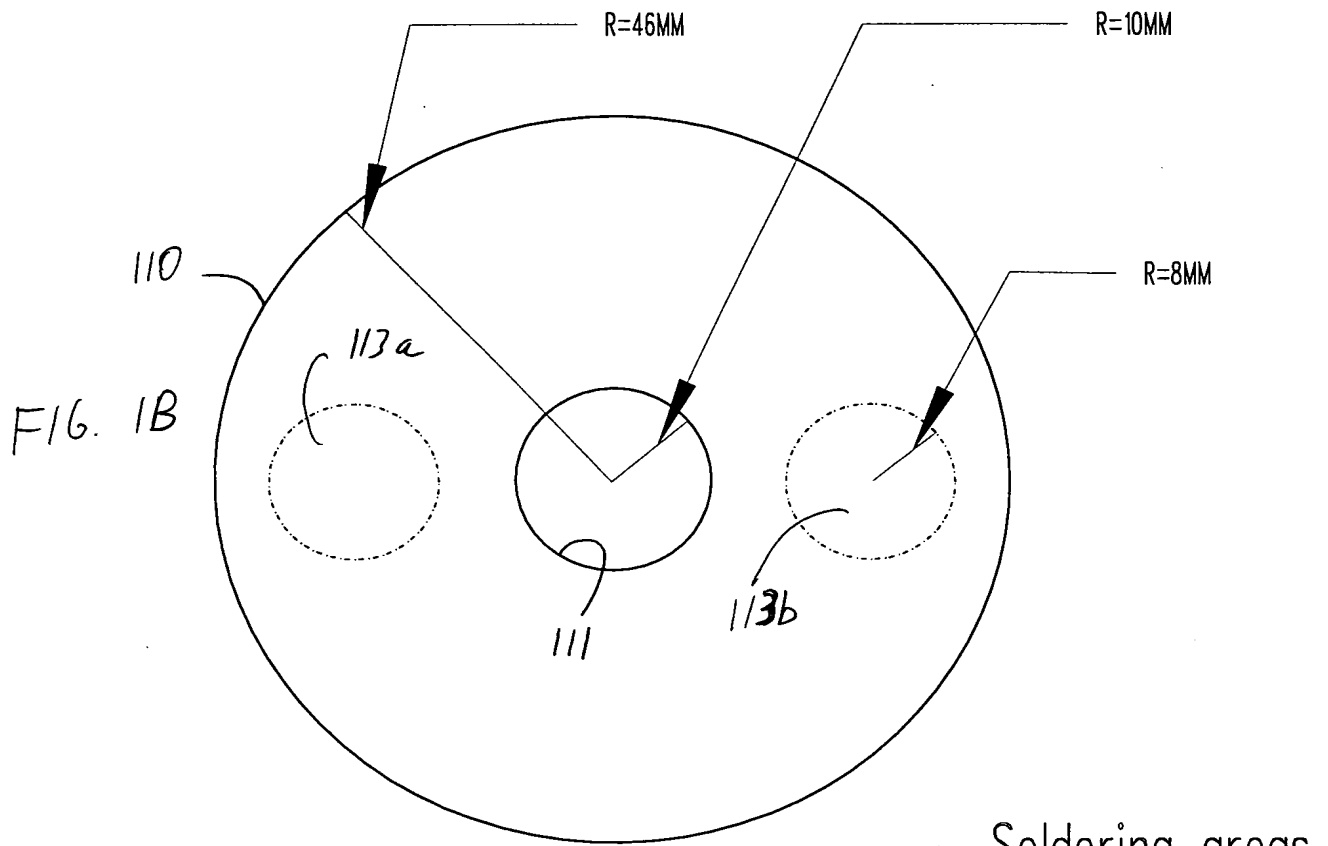


08939289.092997
6826C680



266260" 6826E680

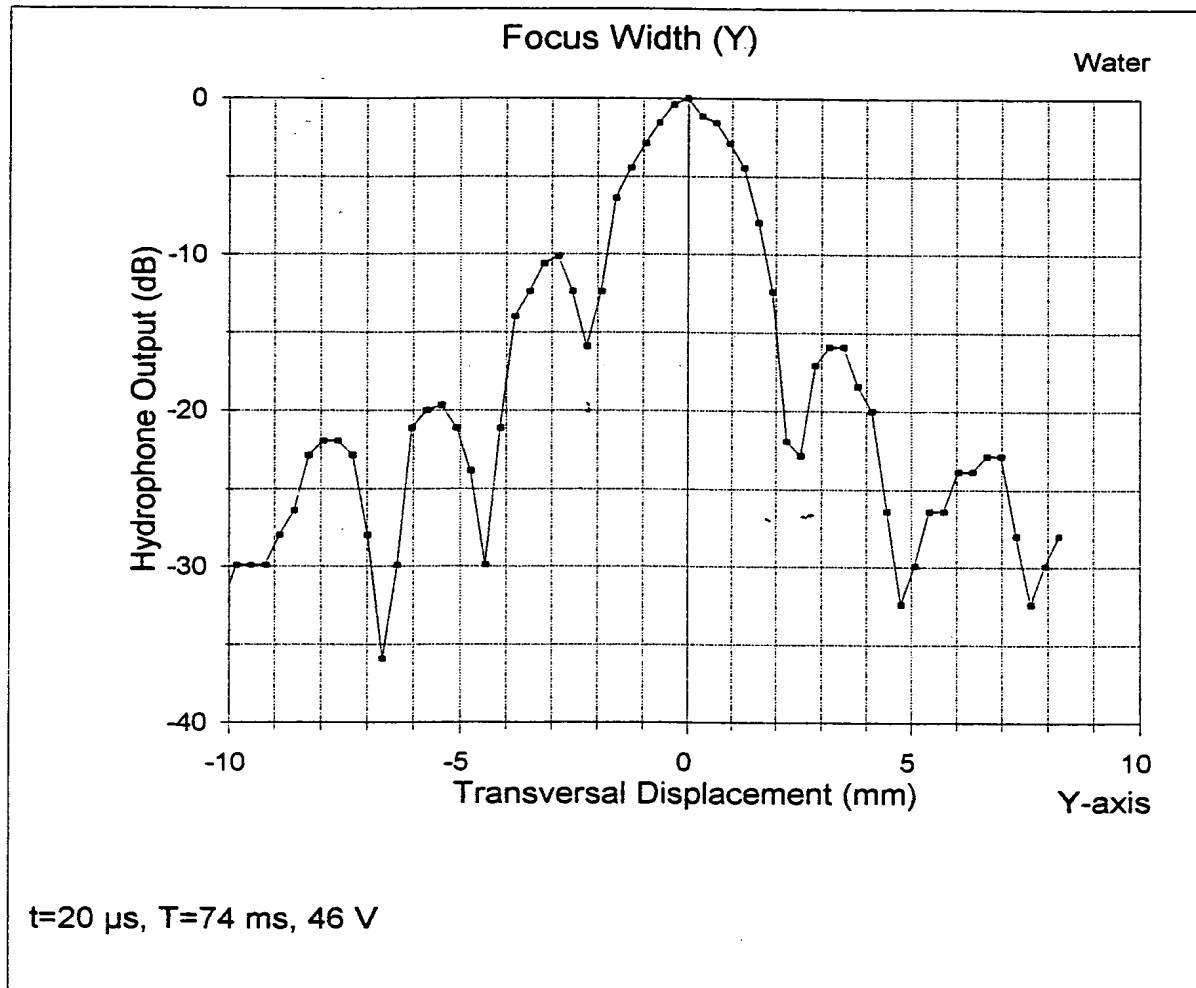


FIG. 2

065260-6826E680

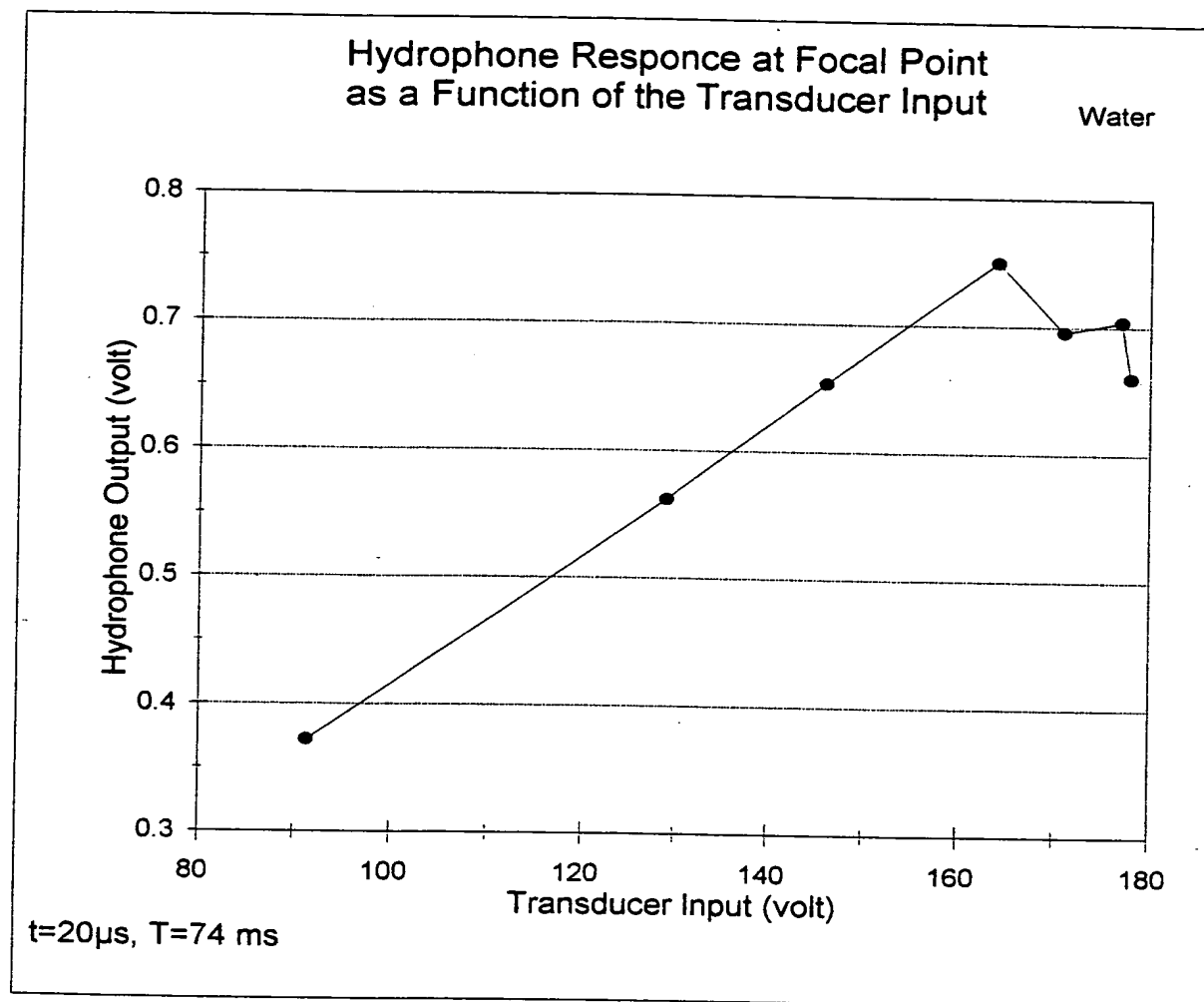


FIG. 3

089266097 68263680

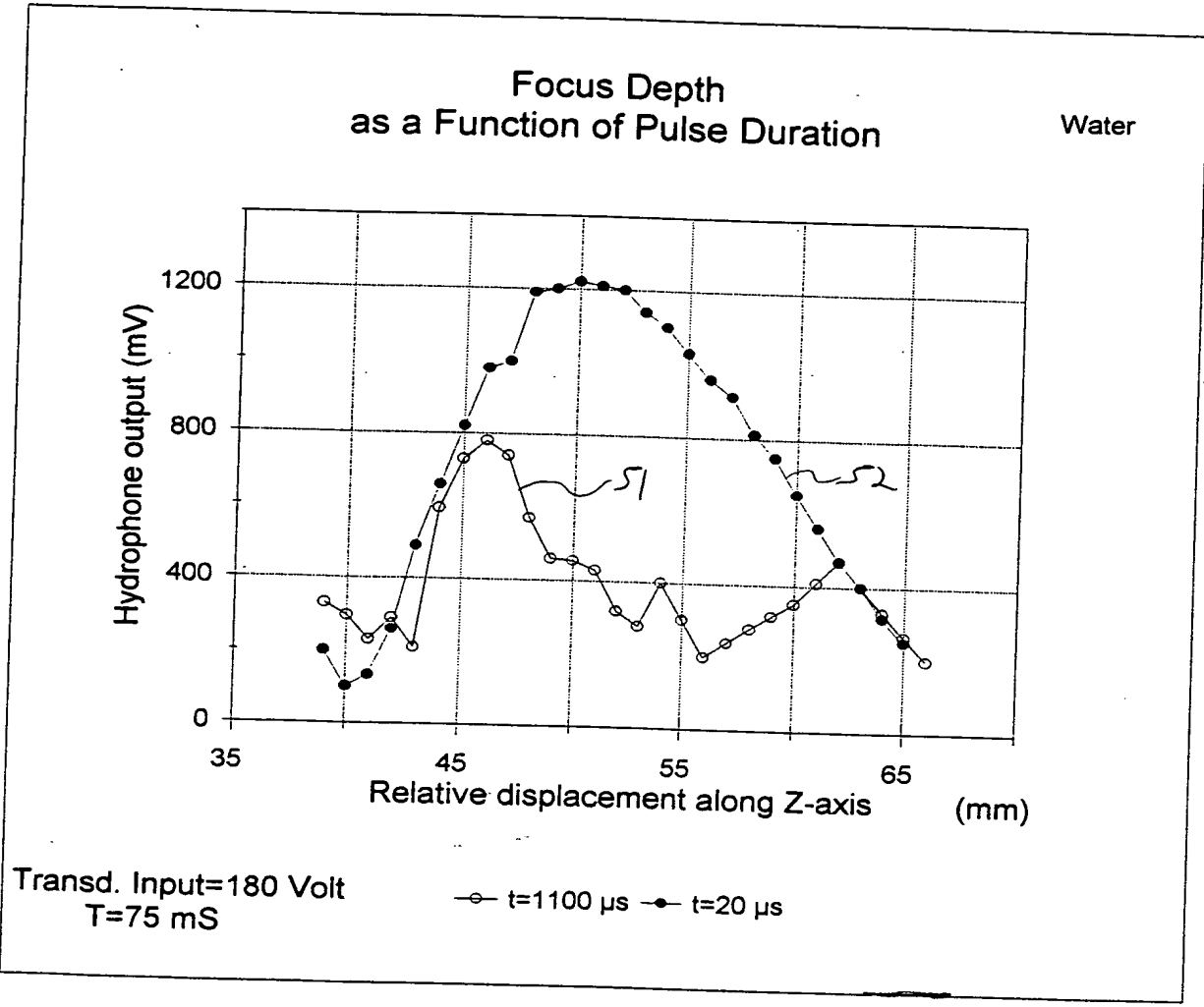


FIG. 4

08939289-00209
200200-6826E680

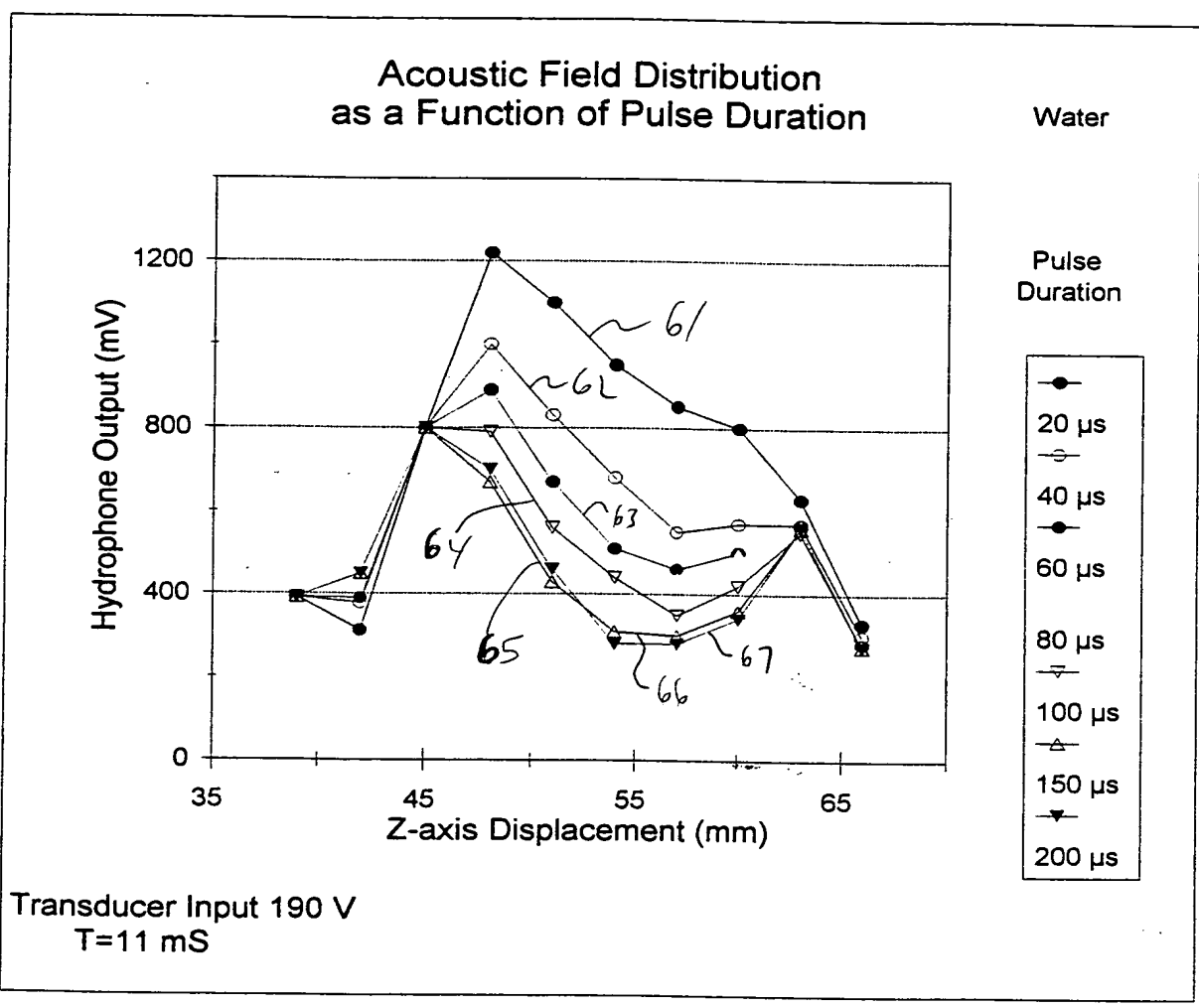


FIG. 5

08932260-68263680

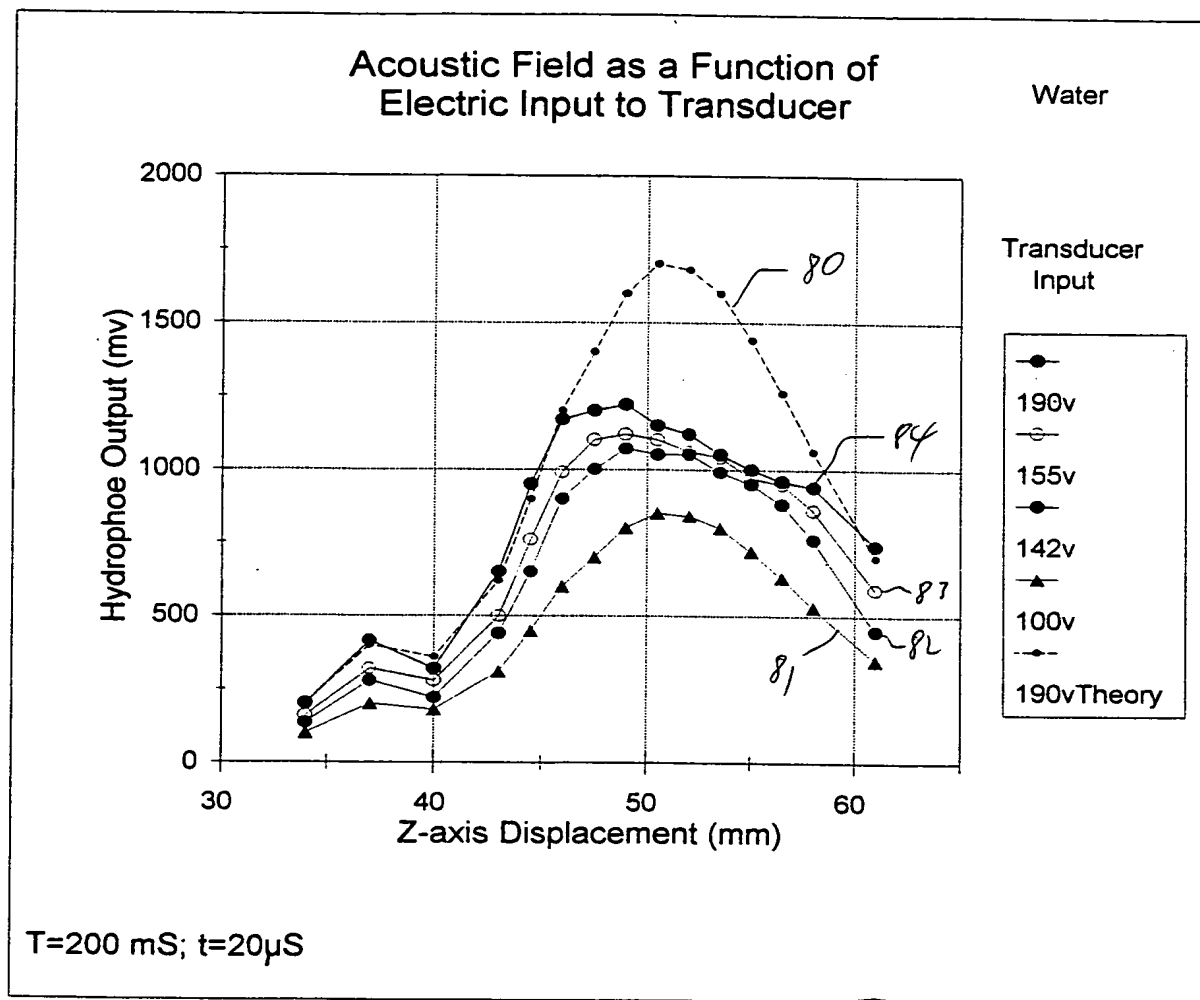
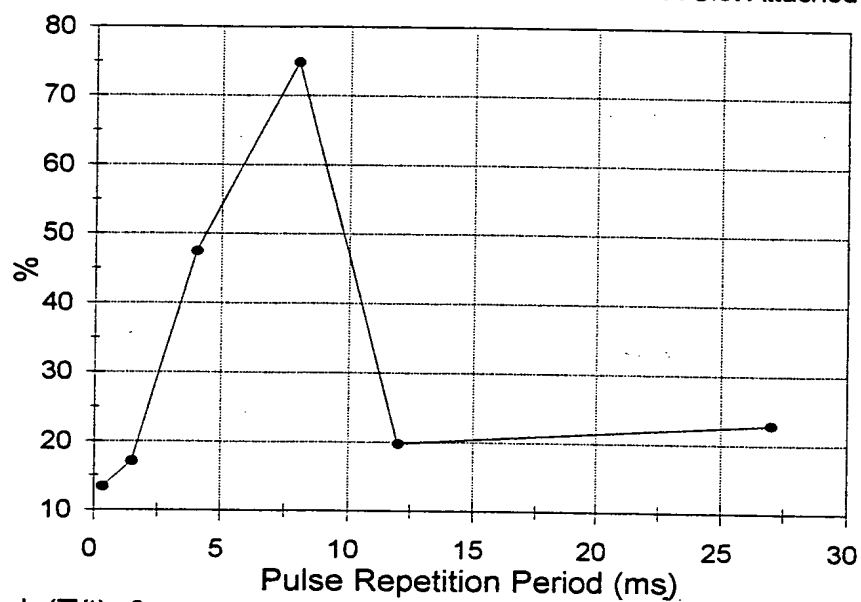


FIG. 6

Percentage of Clot Mass Dissolution
as a Function of Pulse Repetition Period

A Clot Attached to a Vessel Wall



Duty Cycle(T/t)=8
Intensity=1300w/cm²

FIG. 7

08030200 68263680

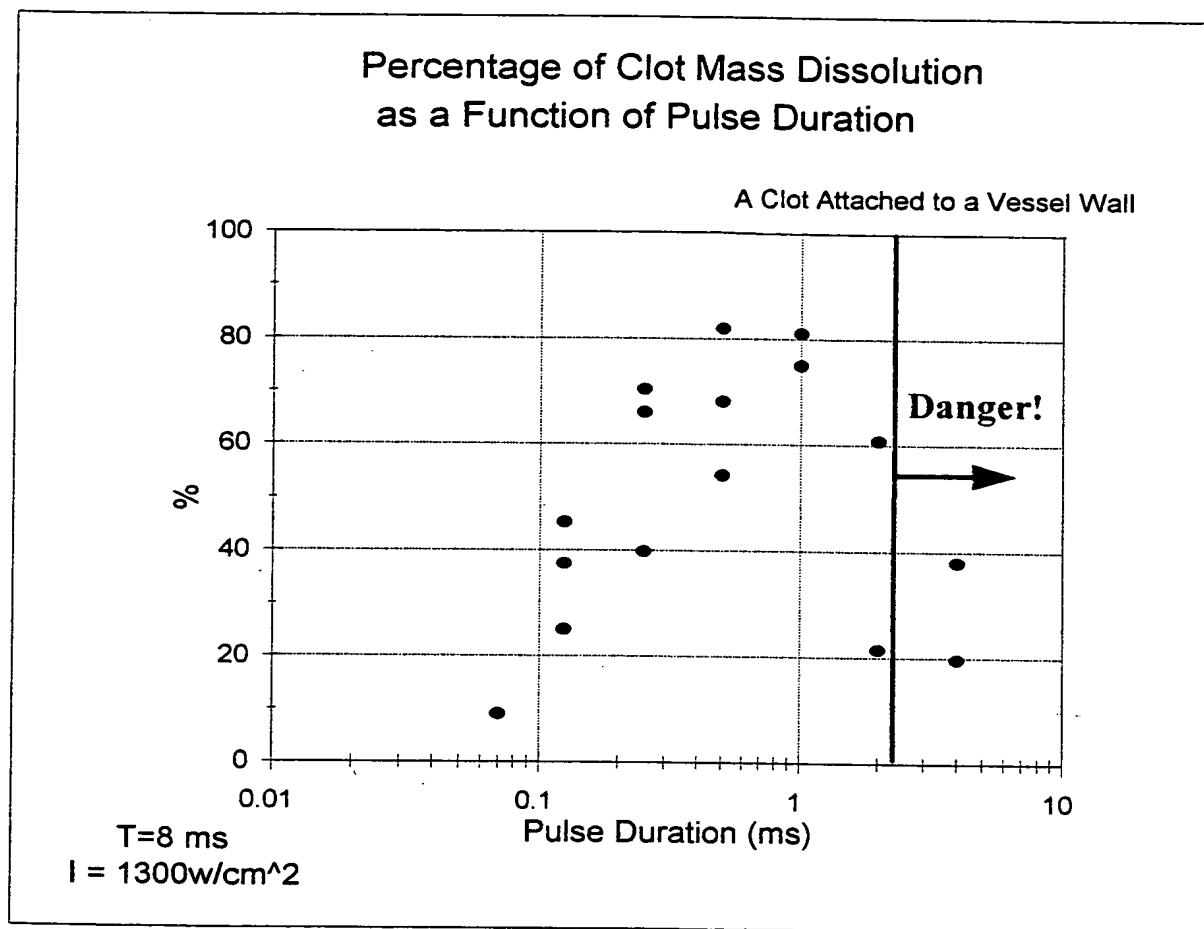


FIG. 8

Rate of Clot Mass Dissolution
as a Function of Intensity at Focal Area

A Clot Attached to a Vessel Wall

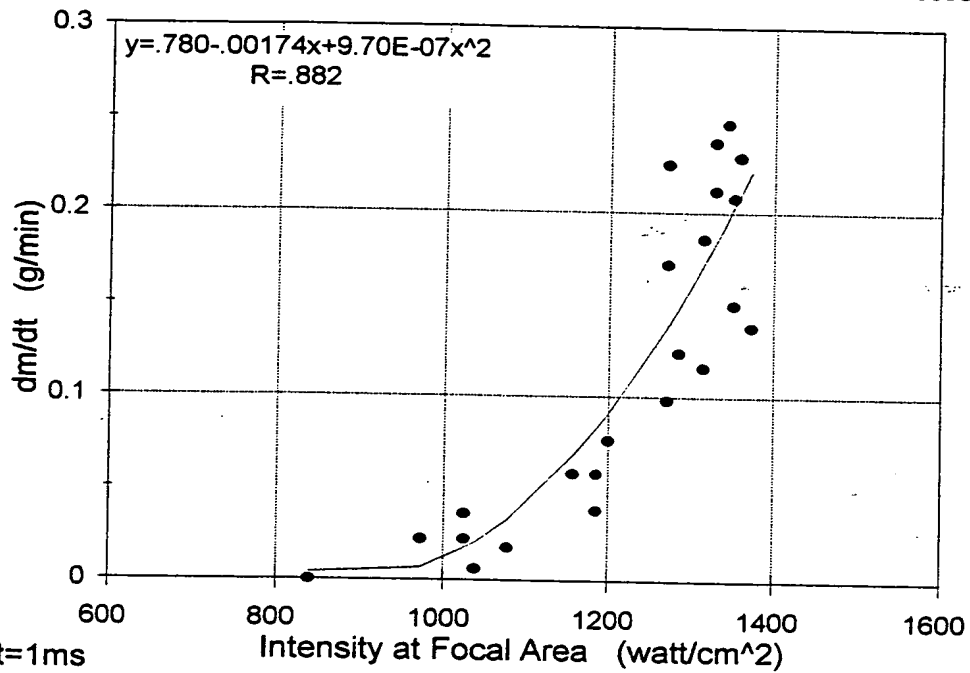


FIG. 9

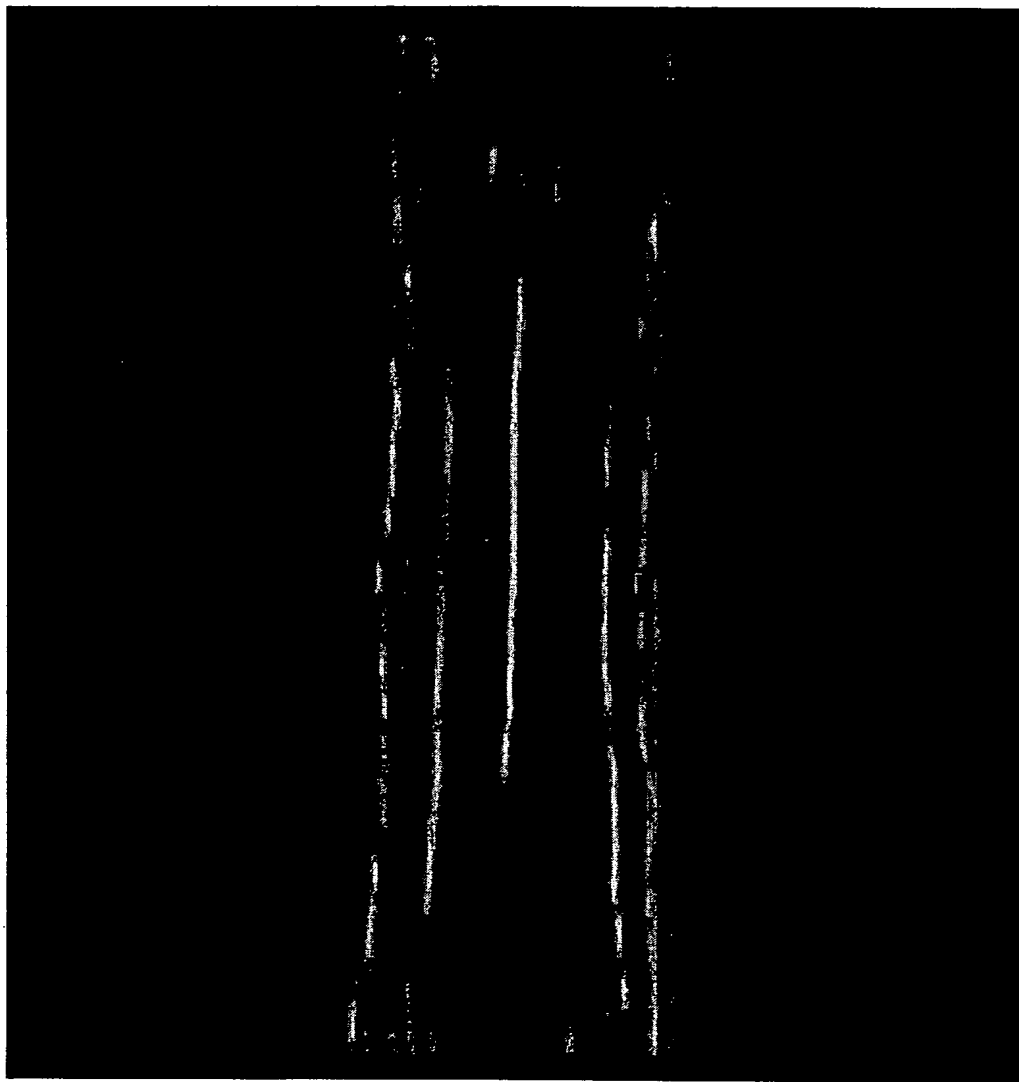


FIG. 10A

08939289.092997

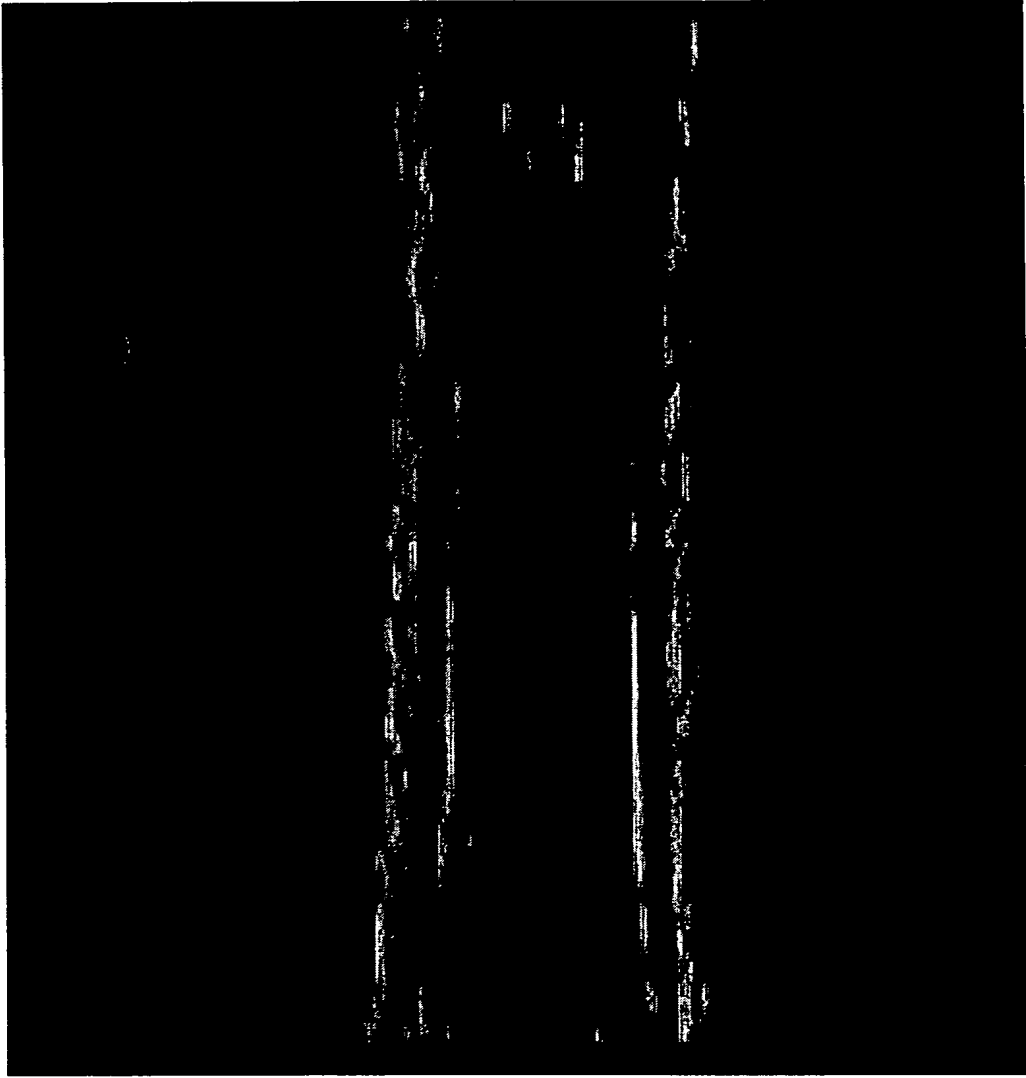
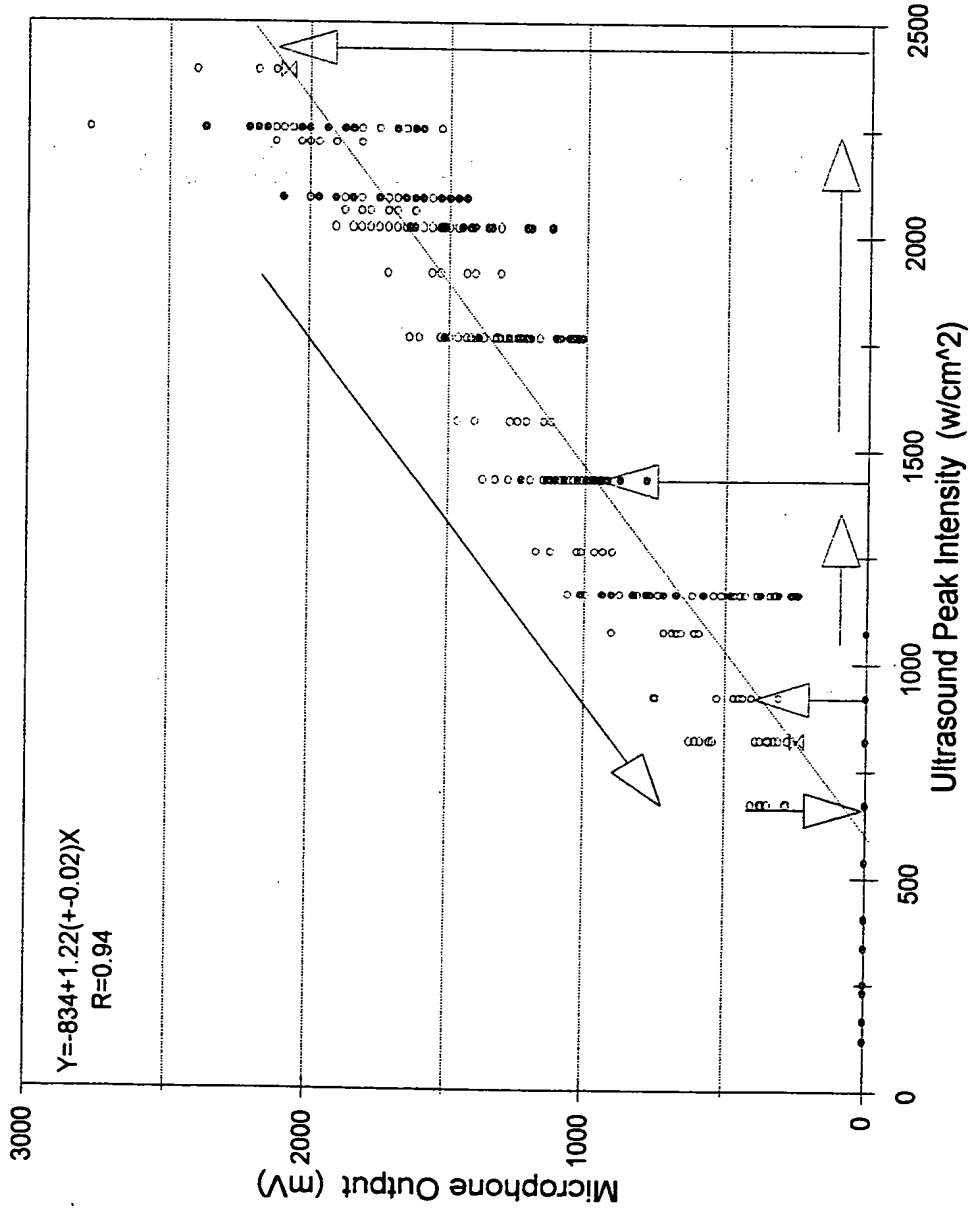


FIG. 10B

00000000.000000

Correlation between Cavitation Activity and Intensity of Ultrasound

Degassed & Non-Degassed Buffer



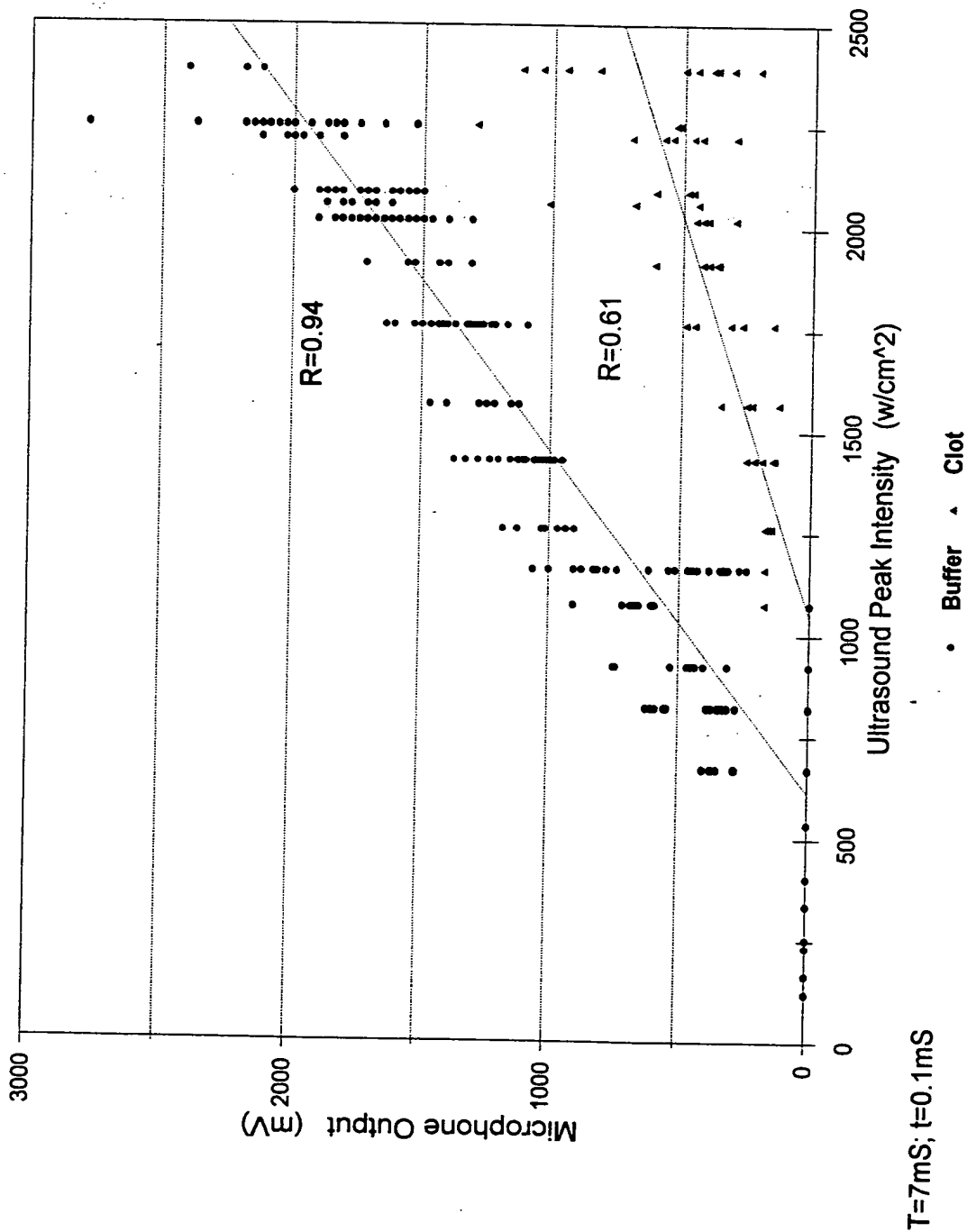
T=7mS

FIG. 11

08939289 . 092997

Comparison of Cavitation Activity Produced in Buffer and in Clot

Degassed &
Non-Degassed



F16 12
089391239.002997

08939289-092997

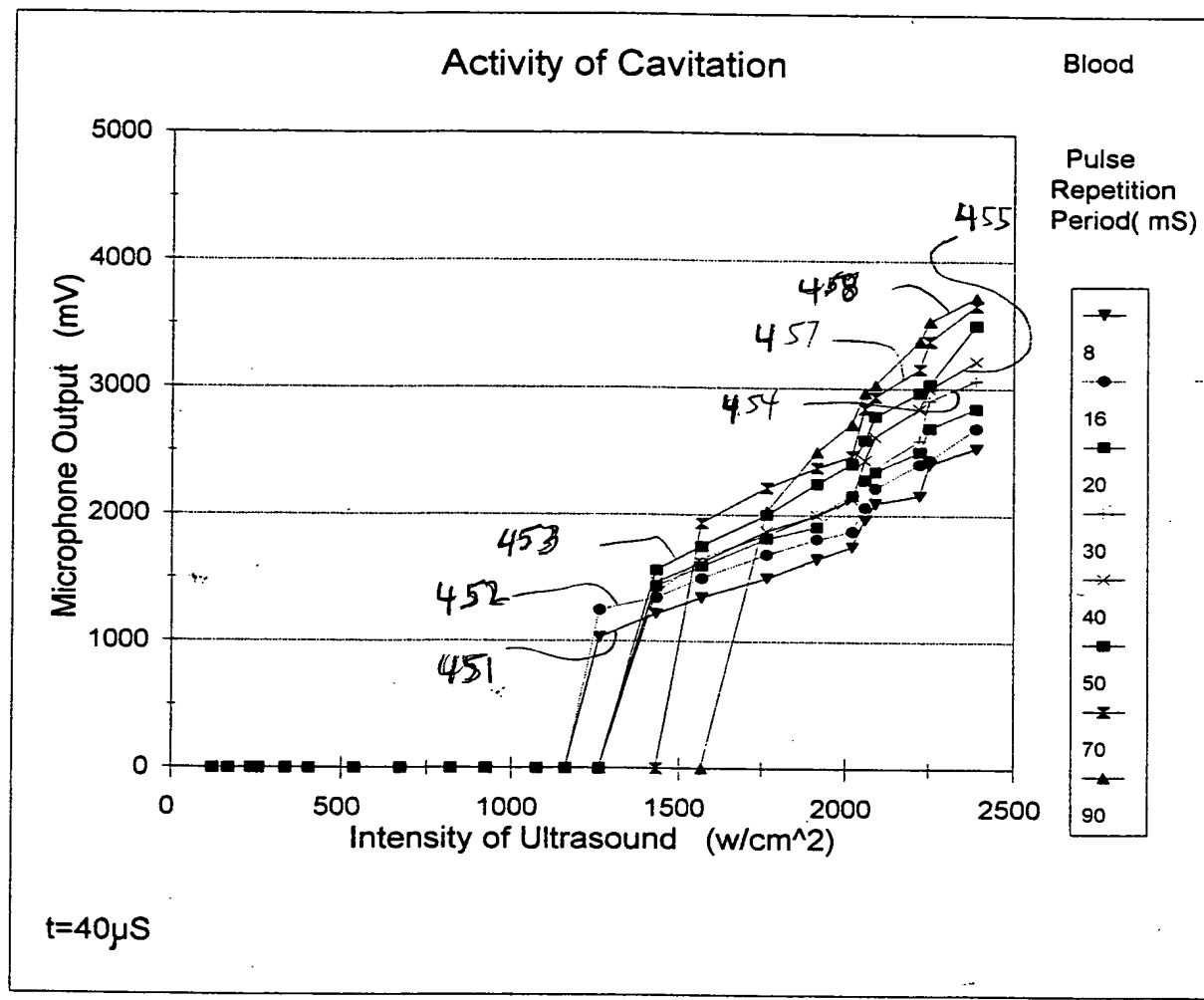


FIG. 13

Activity of Cavitation

Blood

Pulse Repetition Period (mS)

8
16
20
30
40
50
70
90

Microphone Output (mV)

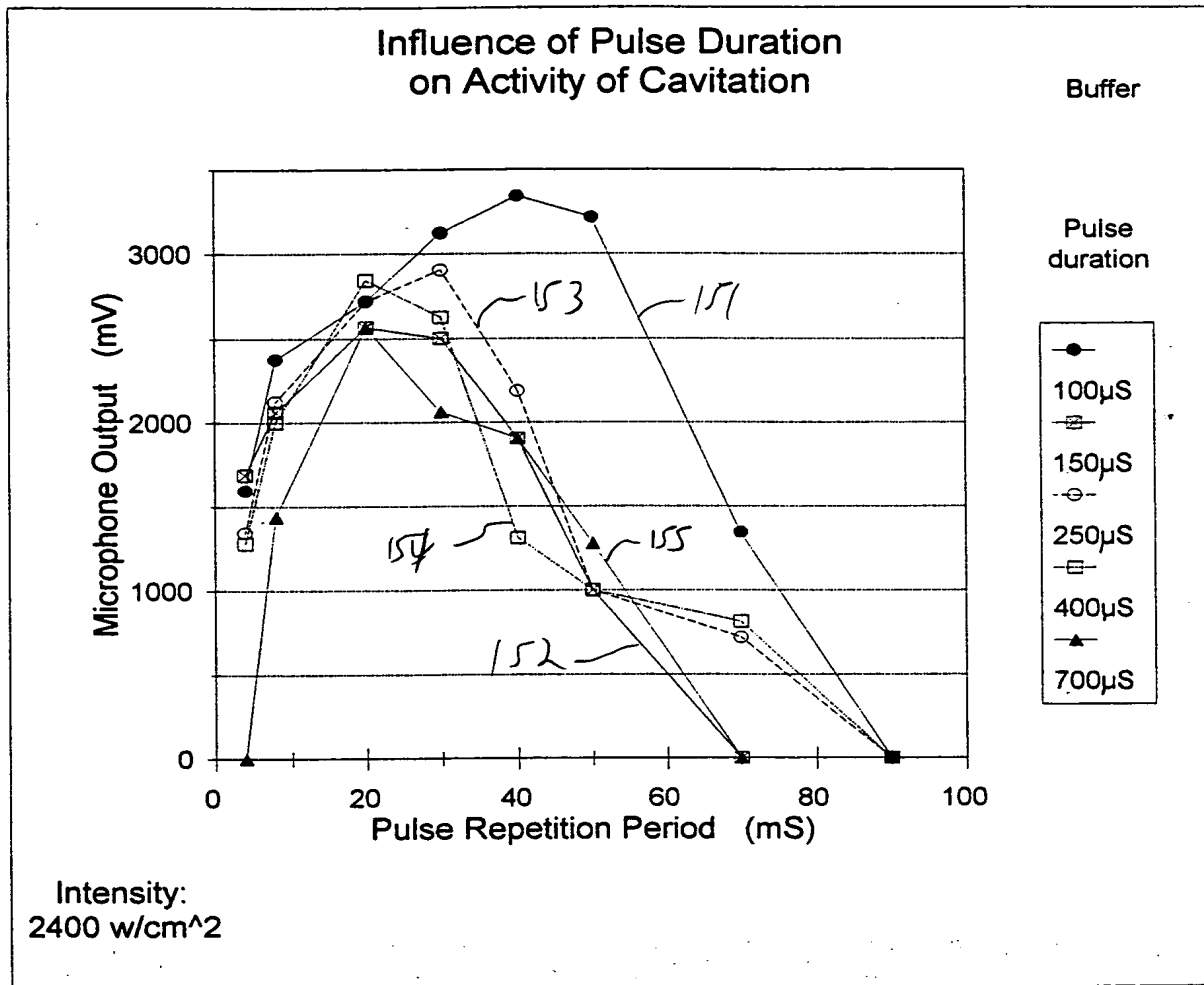
Intensity of Ultrasound (w/cm^2)

751, 752, 753, 754, 755, 756, 757, 758

$t = 150 \mu\text{s}$

FIG. 14

266250" 6826E680



F16. 15

66260-6826E680

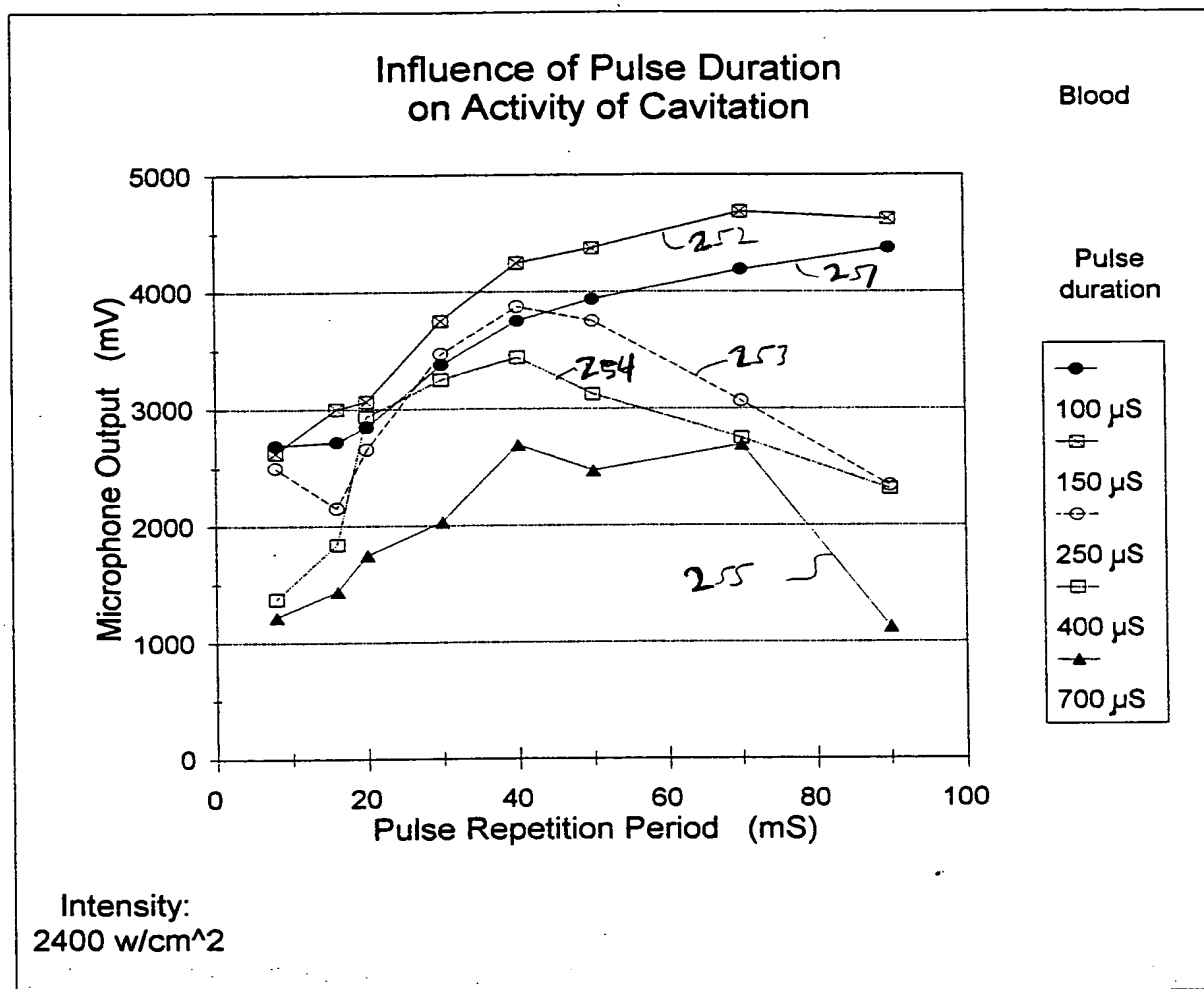


Fig. 16

255260-68261680

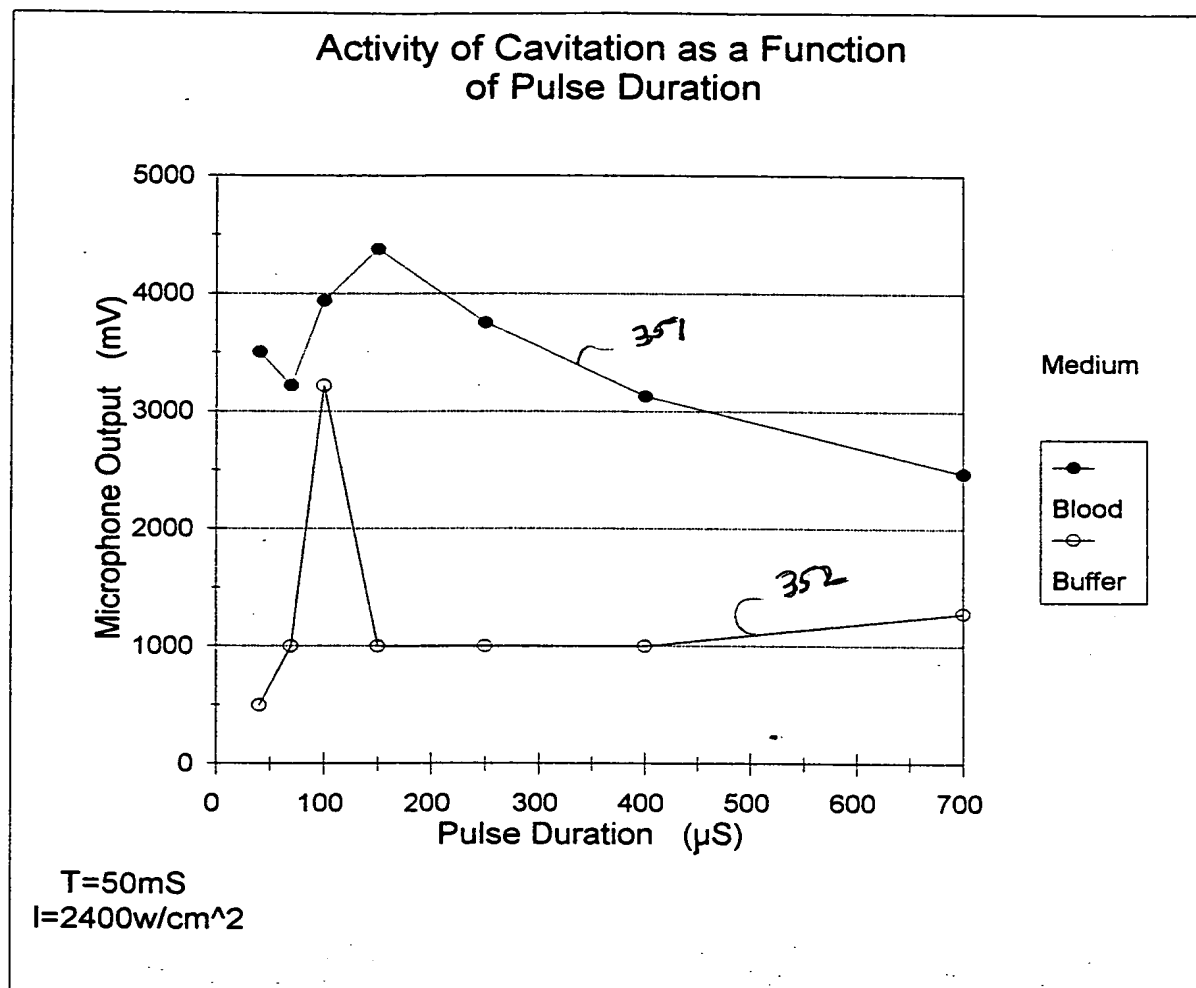
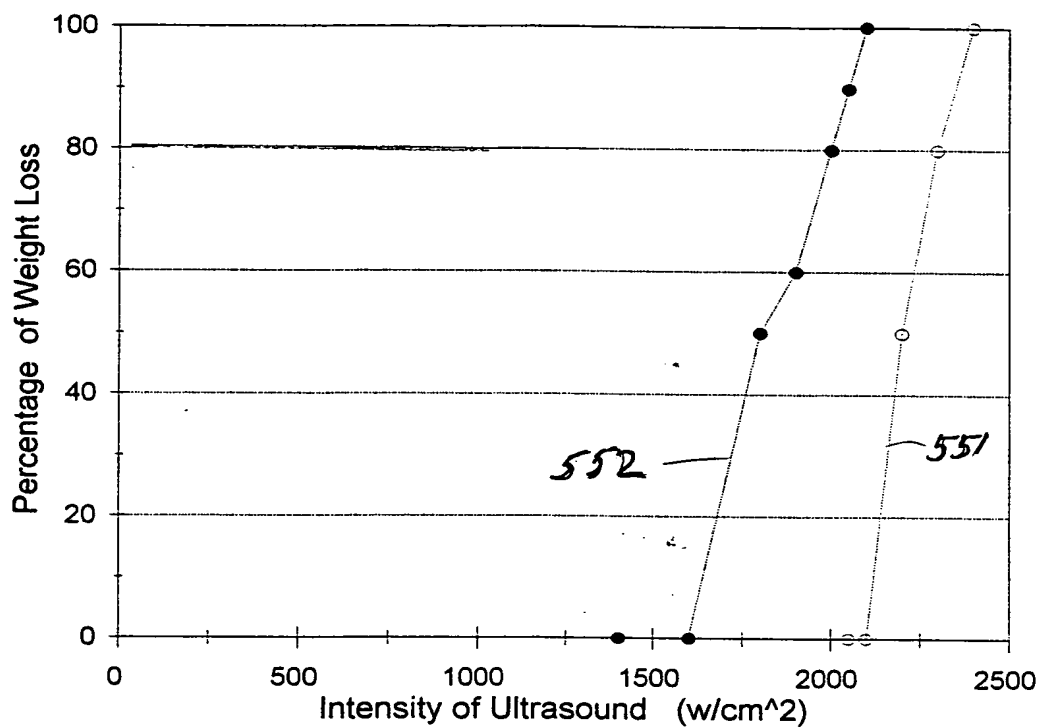


FIG. 17

Efficiency of Clot Lysis

Clot within Blood Vessel

Before optimization



$T=7\text{mS}; t=0.1\text{mS}$

$V_m = 15 \text{ mm/min}$

—●— Non-degassed —○— Degassed

F16. 18

Search for optimum time parameters
of pulsed mode sonification

Clot within blood vessel

FIG. 19A

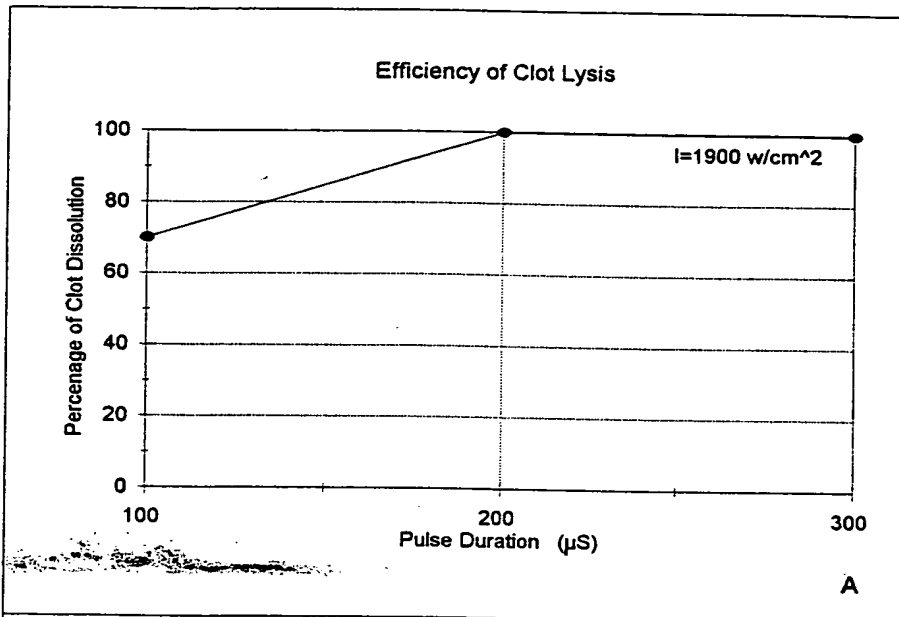
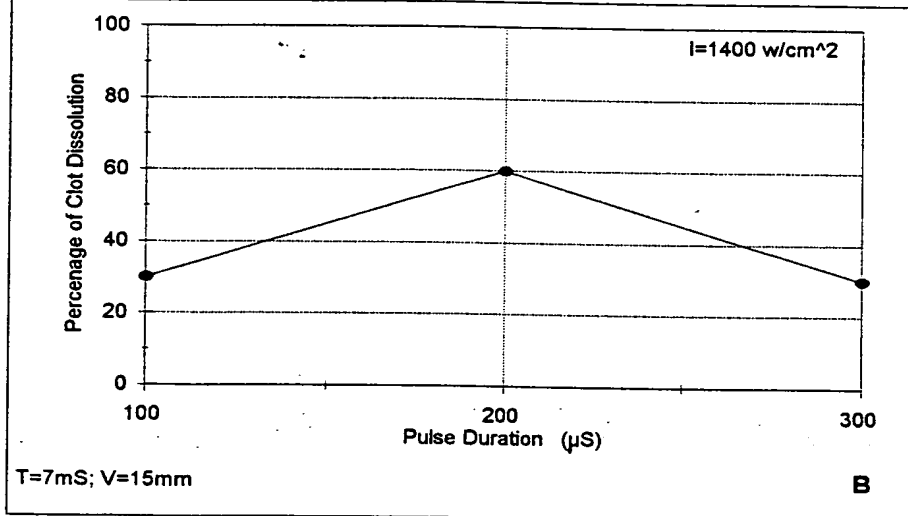


FIG. 19B



Search for optimum time parameters
of pulsed mode sonification

Clot within blood vessel

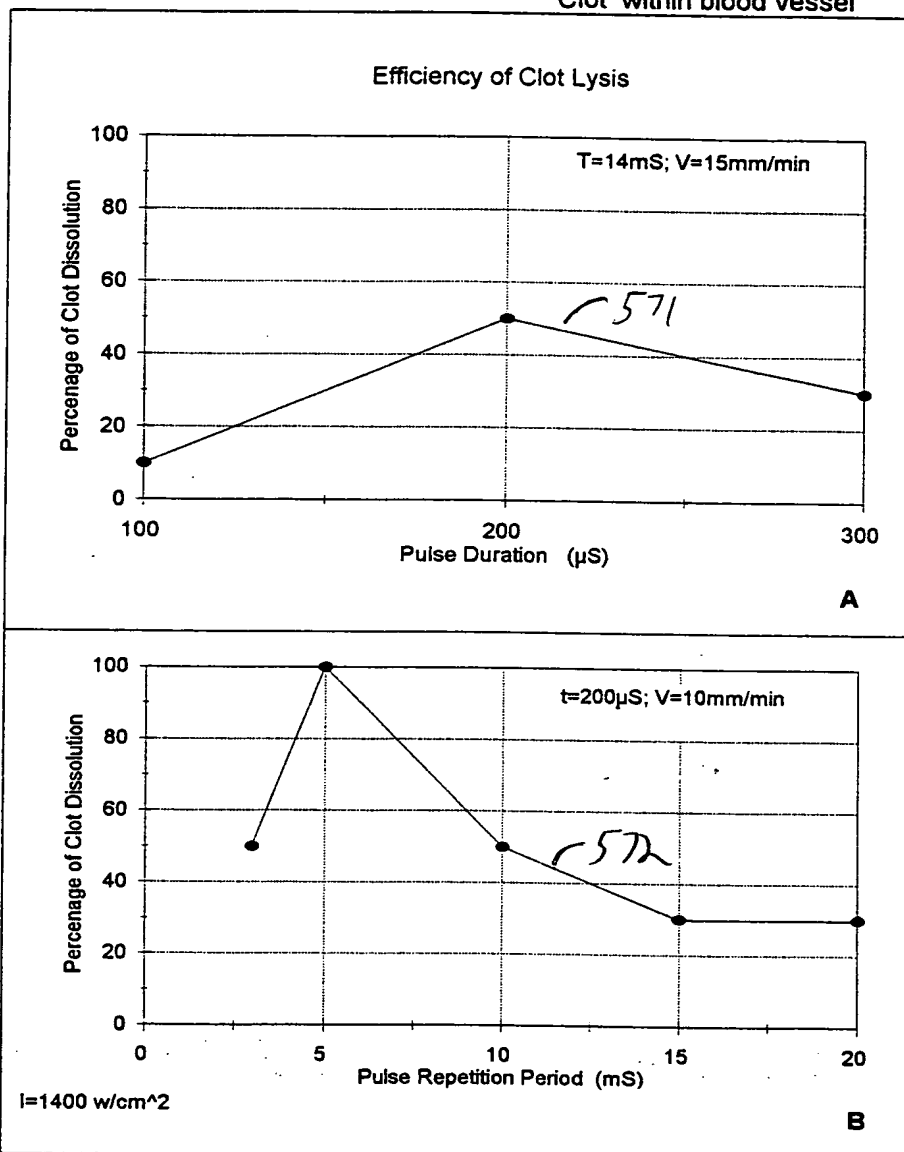


FIG.
20A

FIG.
20B

202600 6826E80

Search for optimum time parameters of pulsed mode sonification

Clot within blood vessel

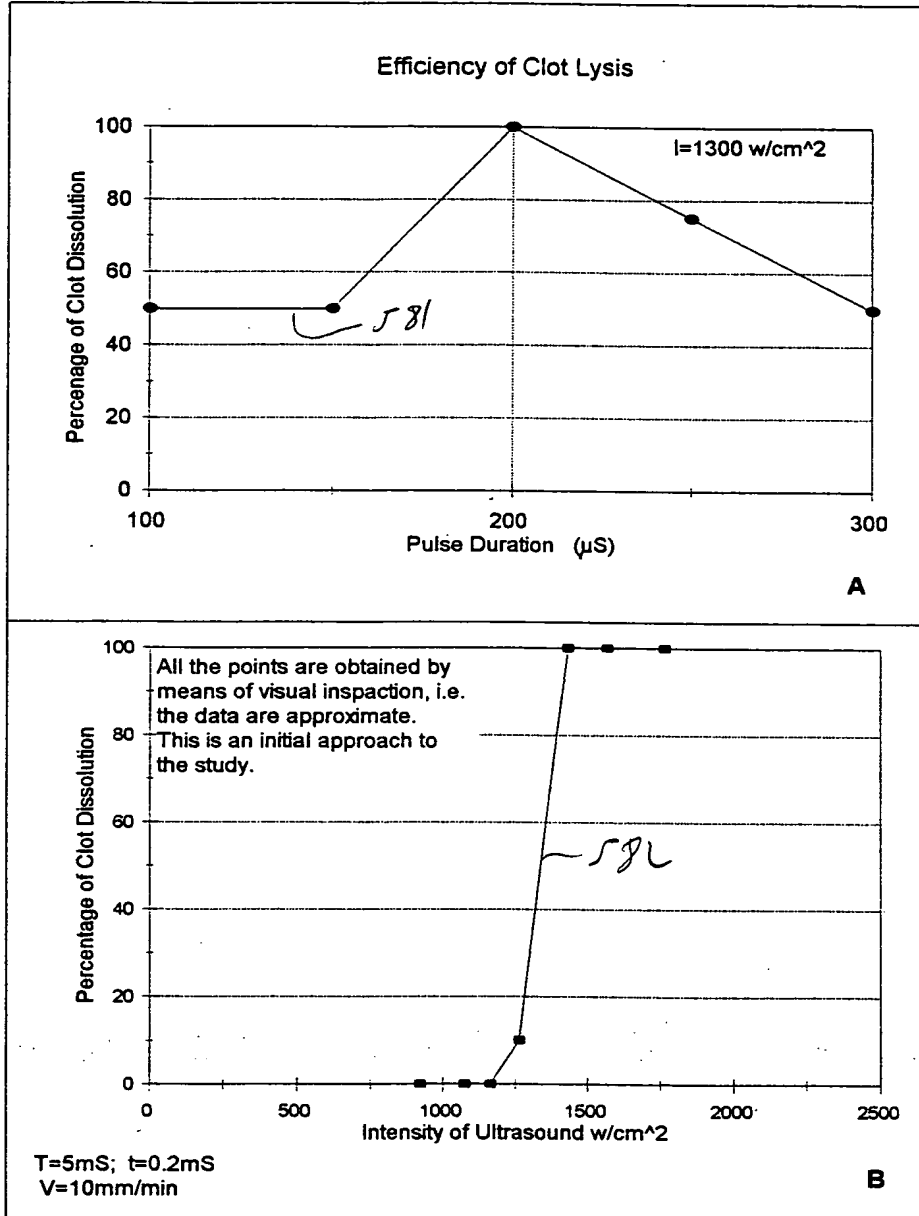


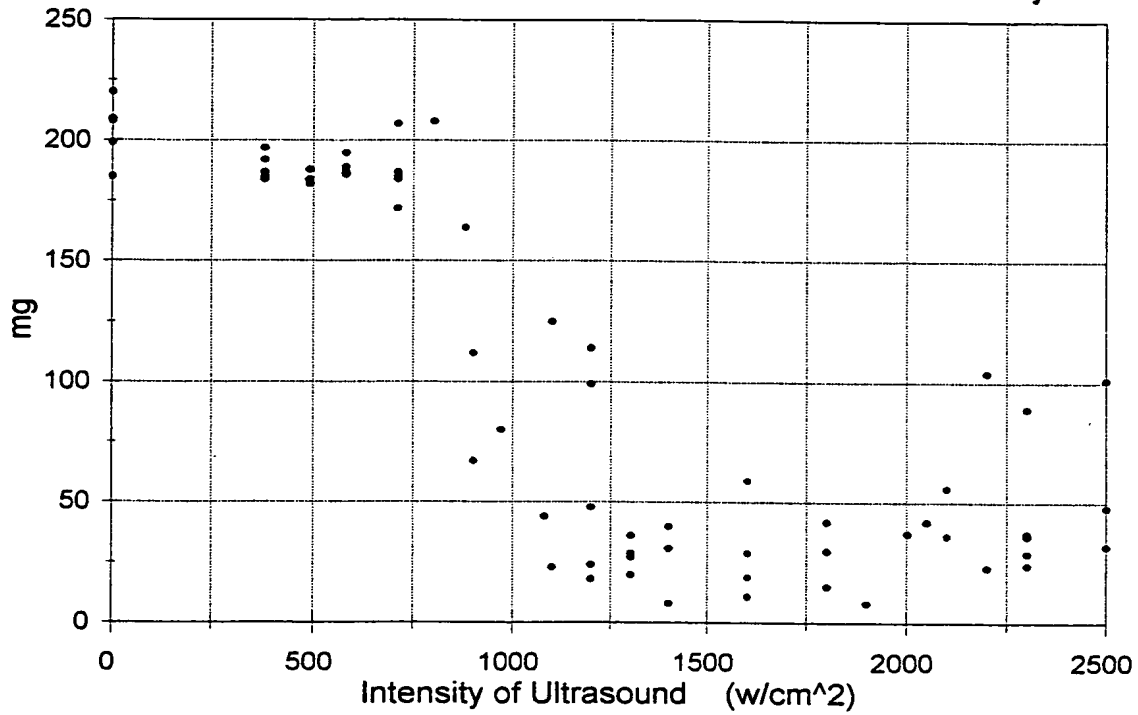
FIG. 20C

FIG. 21

266260-6826680

Weight of Unlysed Clot as a Function of US Intensity

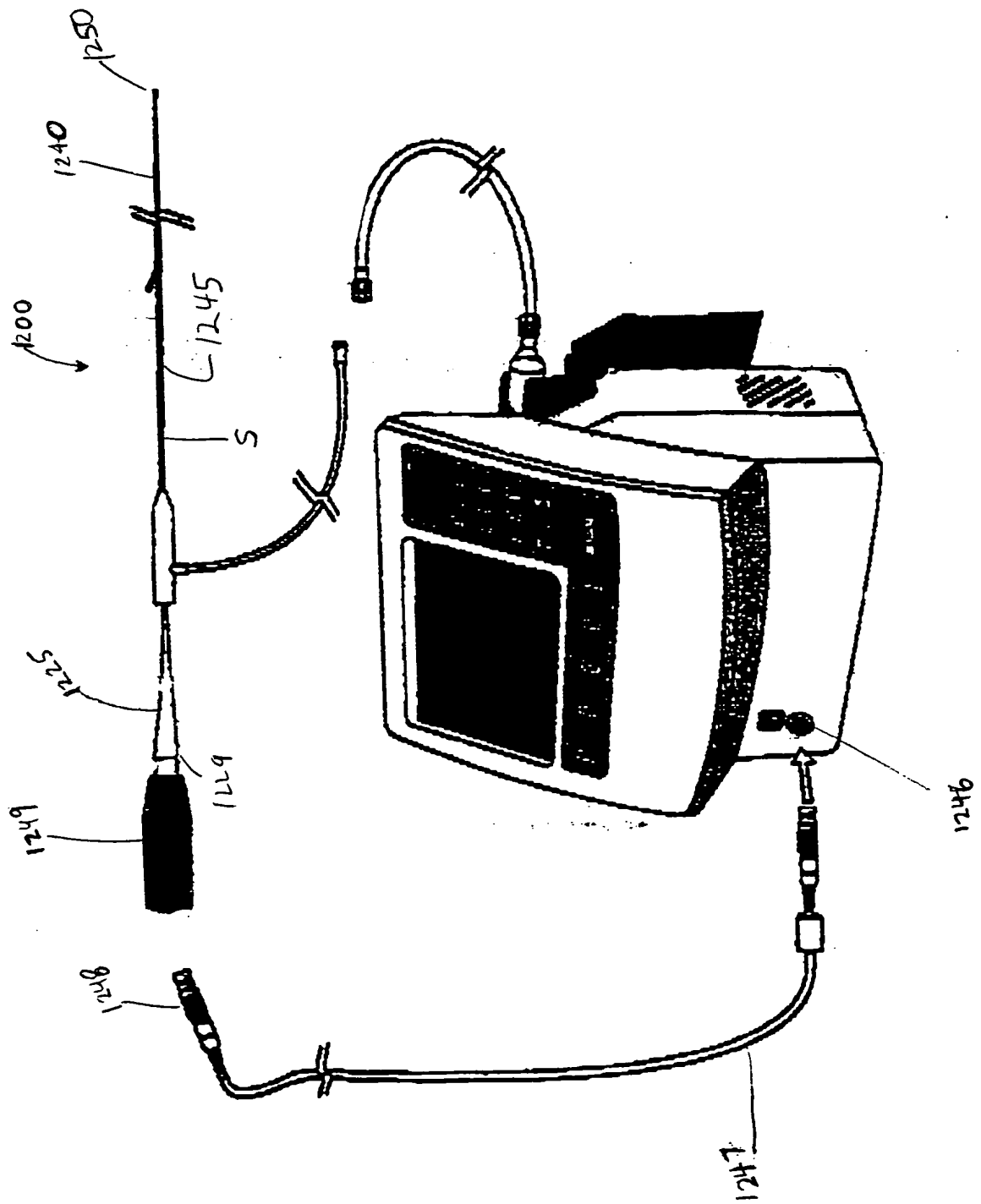
Filter Size: 80 μ m



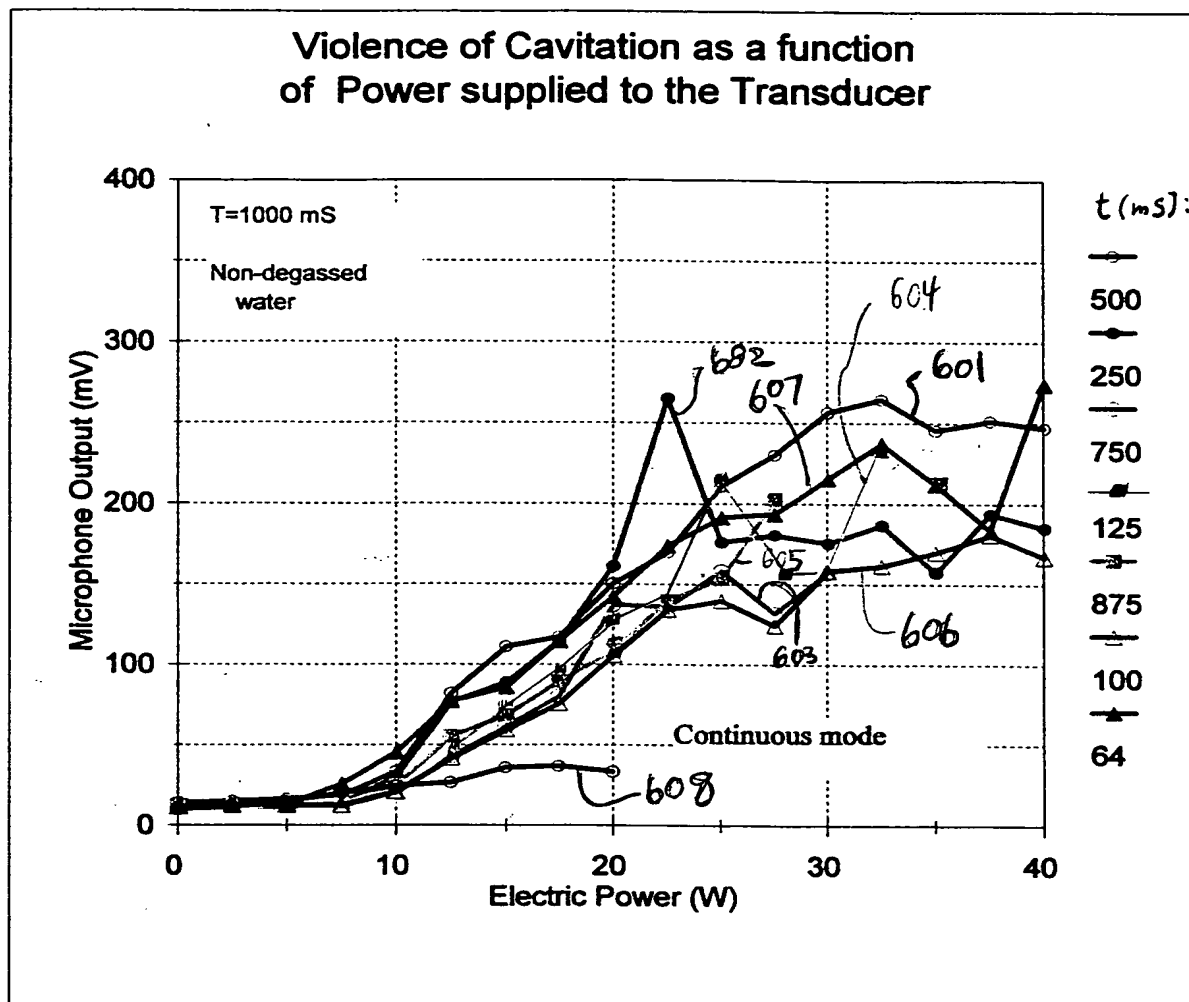
T=5mS; t=0.2mS;
F=650KHz; V=5mm/min

FIG. 22

FIG. 23



206260-6826E680



F16.24

266260-6826E680

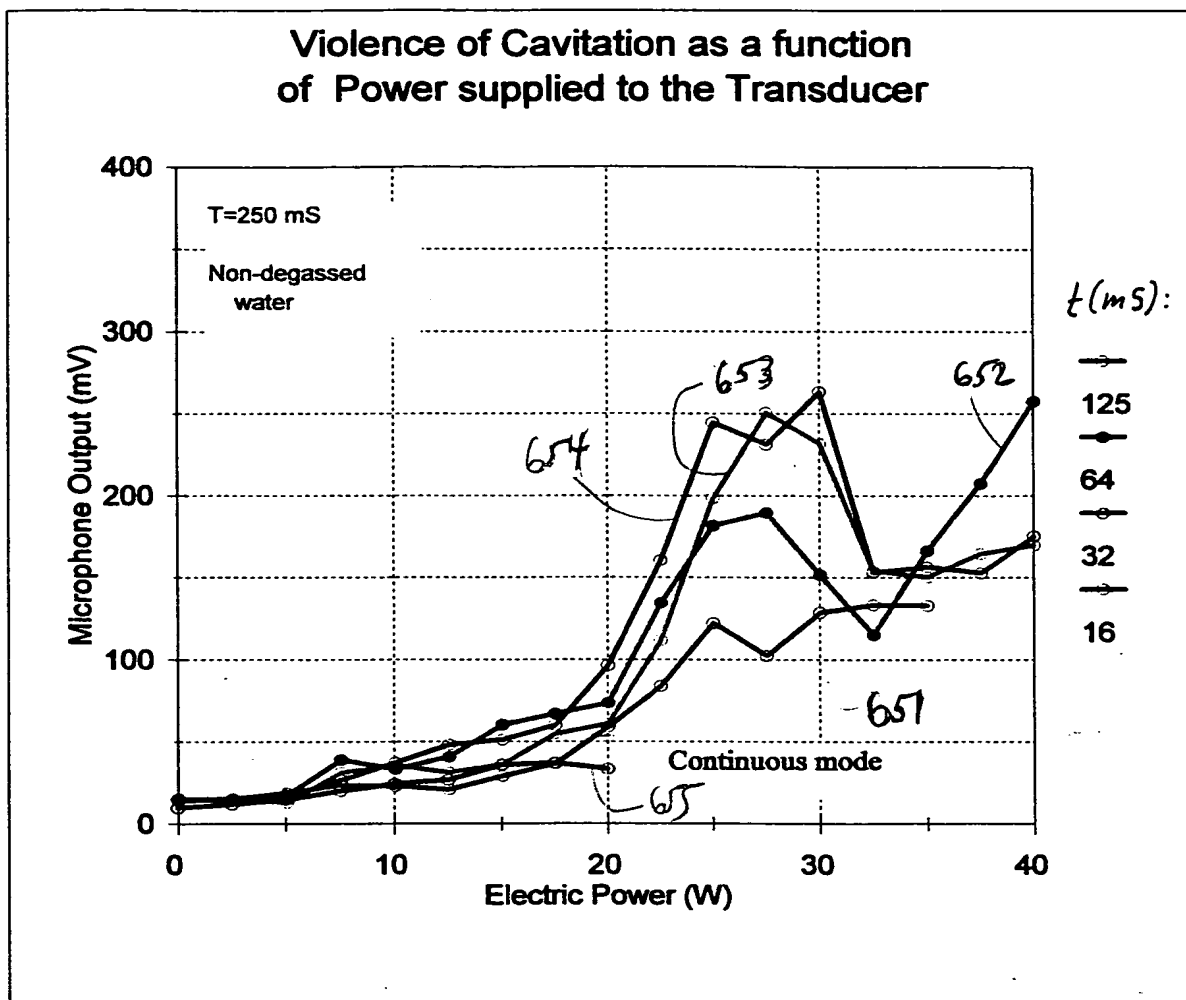


FIG. 25

5

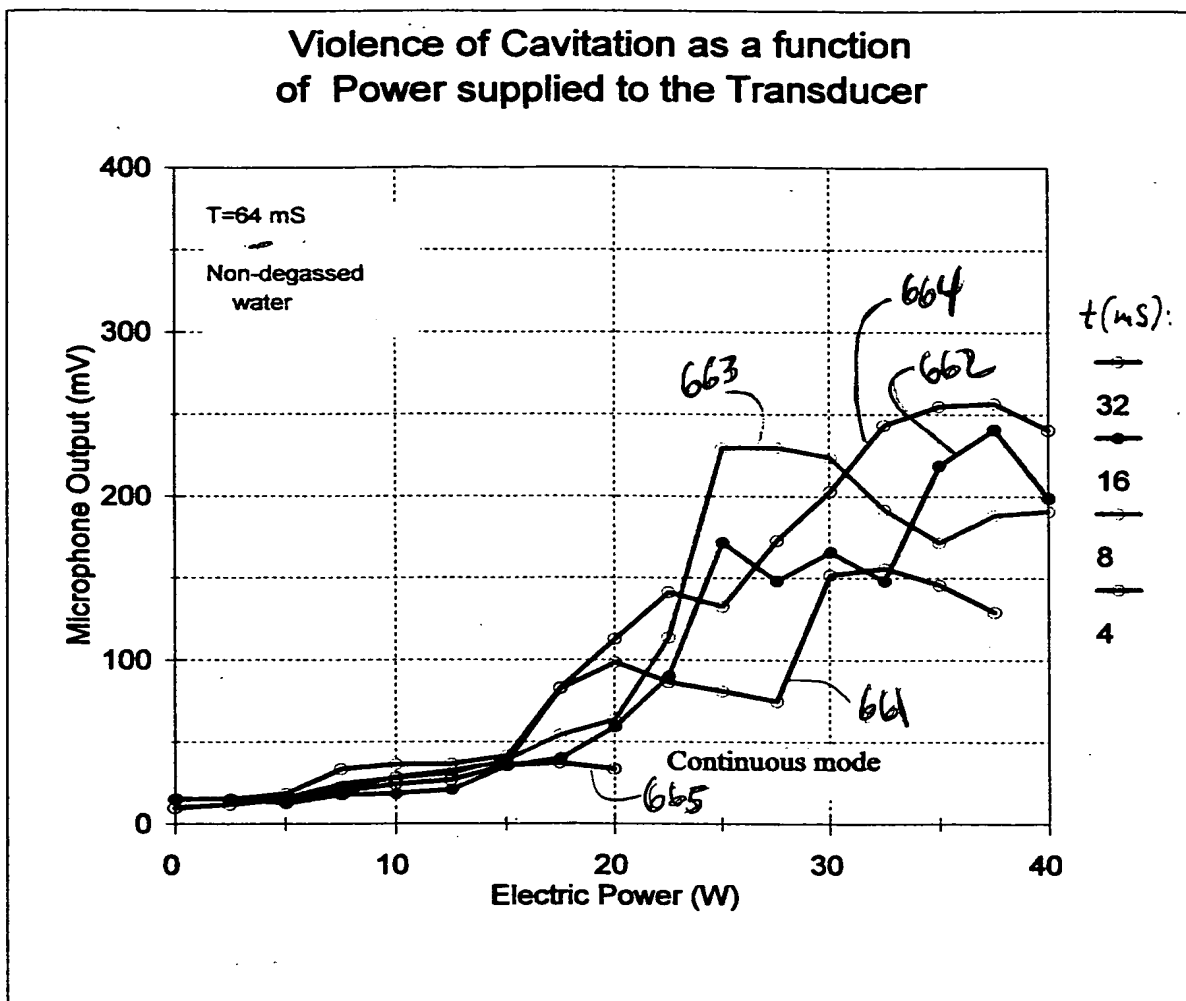


FIG. 26

6

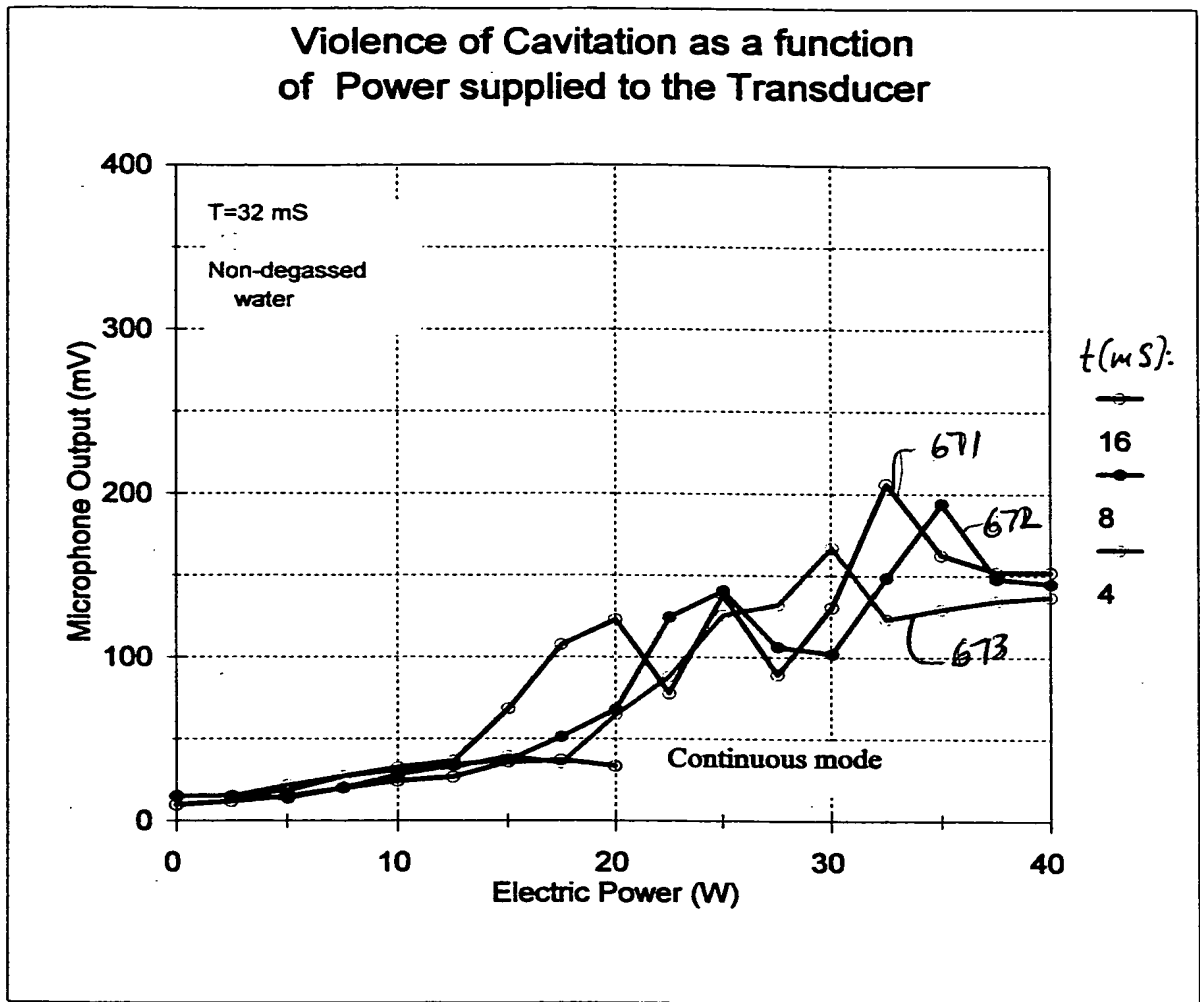


FIG. 27

406260-6826680

Please enter your company name
Address
Town

CHI °C

52.68

DC

49.02

45.36

41.70

38.04

34.39

30.73

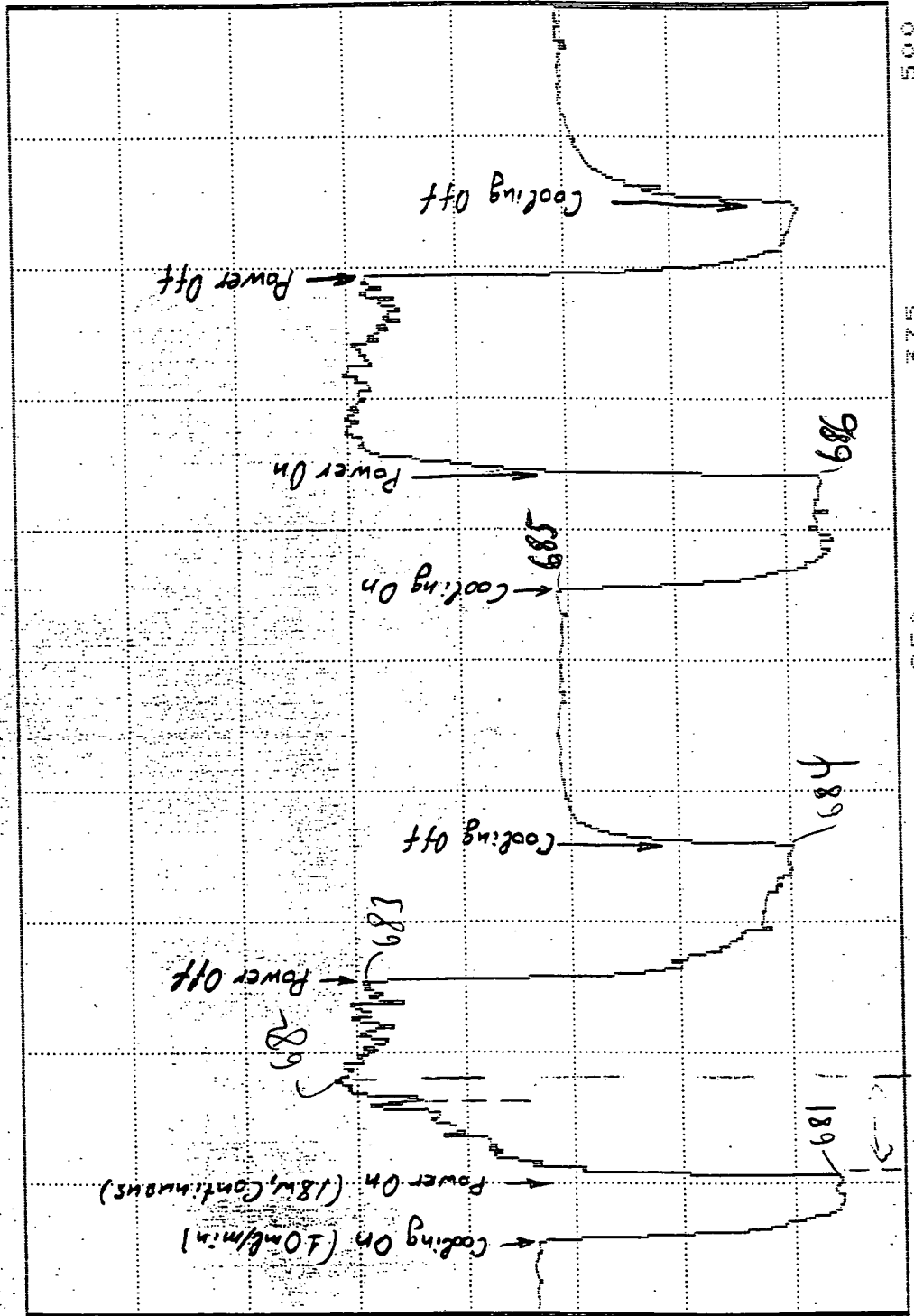
27.07

23.41

TRANSIENT RECORDER CH 1

Continuous Wave 18 watt.
10 ml/min

(A)



SAMPLING TIME : 2.40 sec.
NO. OF SAMPLES : 3000

F16.28

[illegible]

蘇聯政府

Two

0410

100

20

NO. 10

১৩৮

OFF

संस्कृत

५३

10-0-0-0

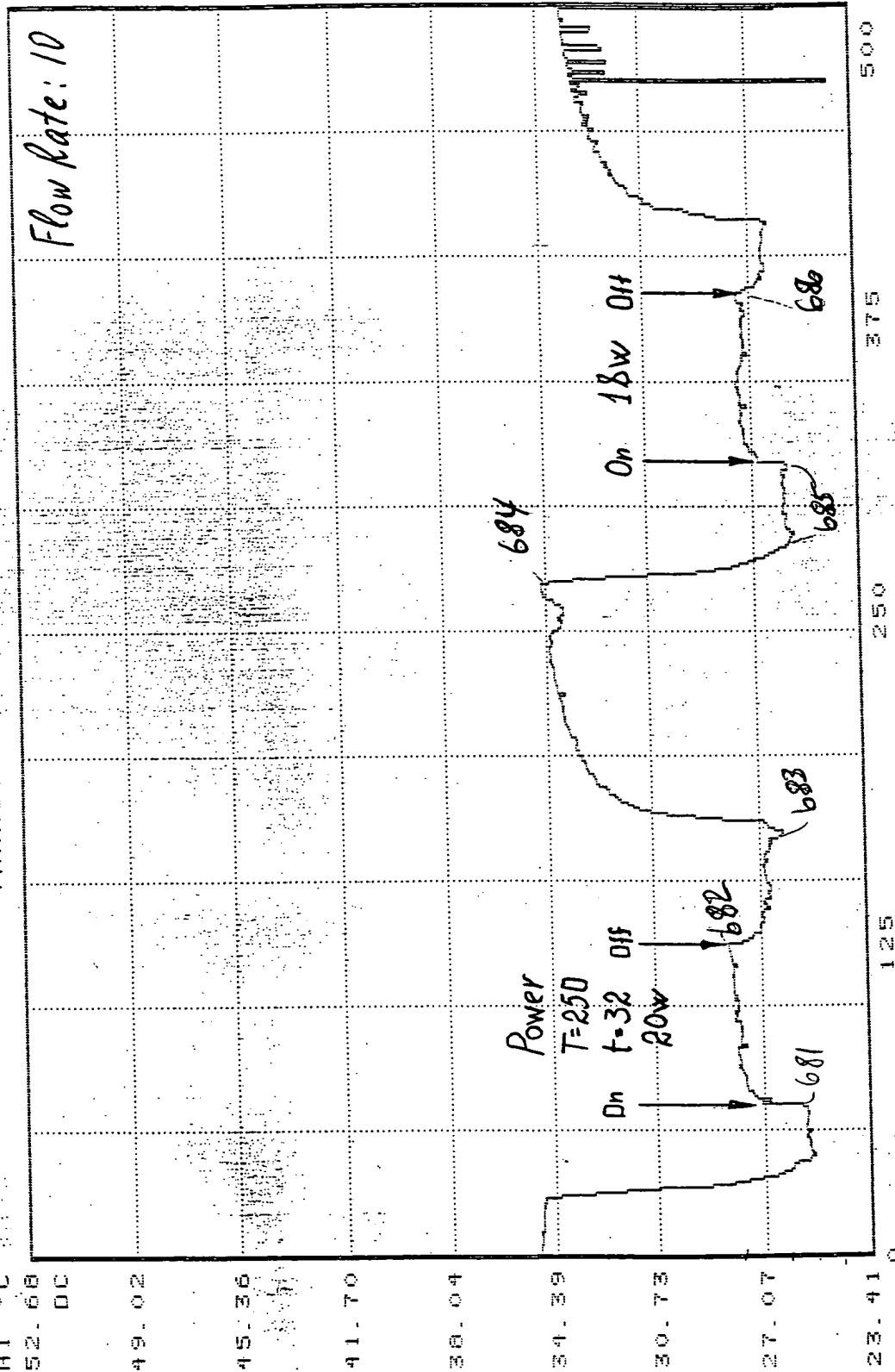
NON

14. M2

Duty Cycle = 8 (32/250)

Flow Rate: 10 $\mu\text{l}/\text{min}$

TRANSLUCENT RECORD CHIT

[illegible]

NO. OF SAMPLES : 493

F16.29

466260-6826E680

Place here your company name . . . your tel. no. . . .
Address your fax. no.
Town your telex no.

Duty Cycle = 16 (16/250)
Flow Rate = 10ml/min

TRANSIENT RECORDER CH 1

CH1 °C
52.68
DC

49.02

45.36

41.70

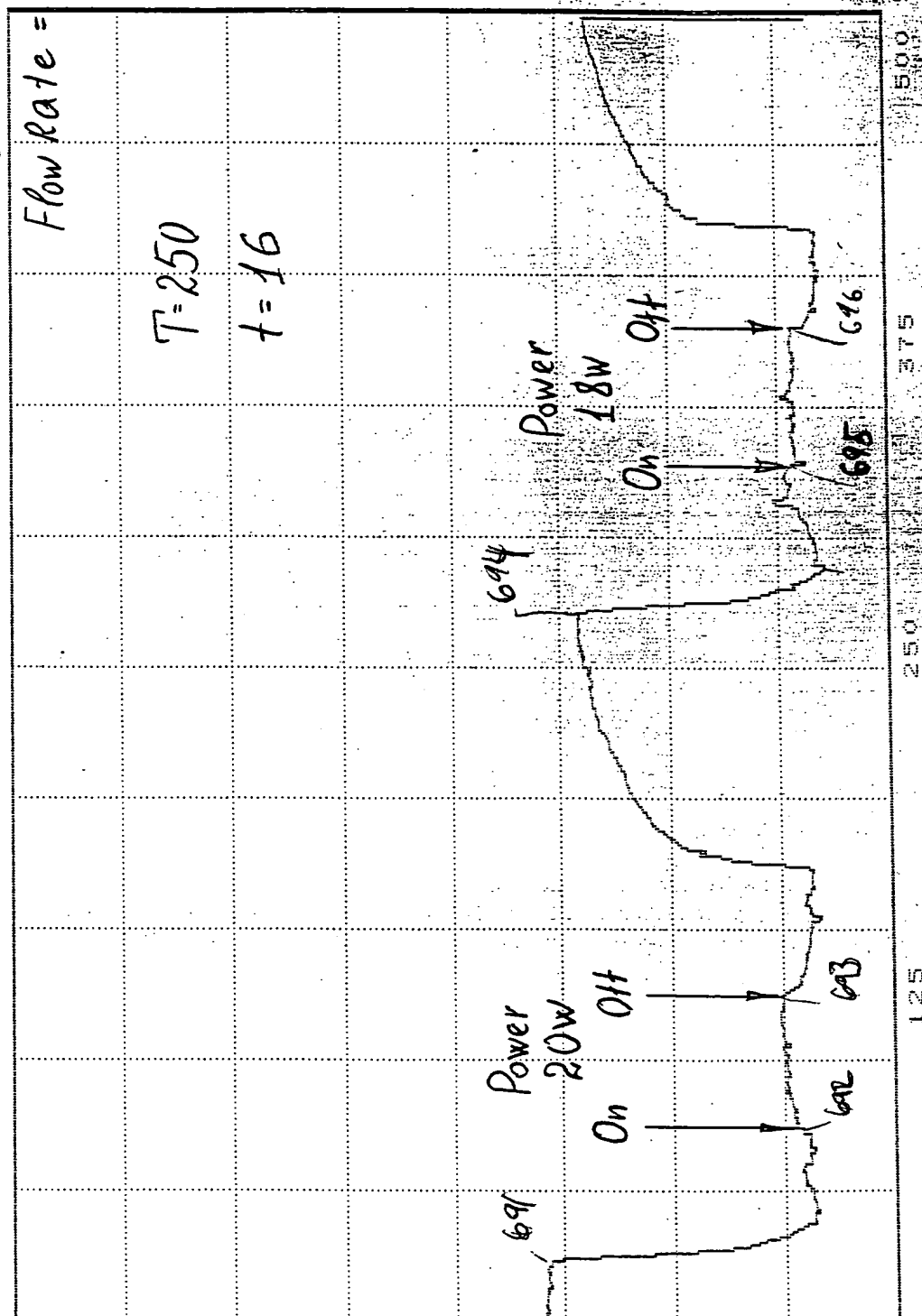
38.04

34.39

30.73

27.07

23.41



SAMPLING TIME : 2.40 sec
NO. OF SAMPLES : 499

FIG 30